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## Insight

### The payments industry is evolving, and ISO 20022 is leading the way

[ISO 20022](#) is a groundbreaking standard that is simplifying transactions and enhancing payment systems worldwide. It provides a common language for exchanging payment data, making payments more efficient and secure.

Banks, corporations, and financial institutions around the globe have adopted ISO 20022, leveraging its power to automate and standardize payment transactions. This is facilitating a smooth and efficient global financial ecosystem.

## Idea

### **Pain001 is a Python library that simplifies the creation of ISO 20022-compliant payment messages**

Recognising the complexity of ISO 20022, I developed and launched [Pain001](#), an open-source toolset for creating, translating, and validating payment initiation and advice messages. It follows the High Value Payments Plus (HVPS+) and Cross-Border Payments and Reporting Plus (CBPR+) standards.

Pain001 allows for direct creation of messages from CSV or SQLite databases, which reduces processing costs, increases efficiency, and enhances accuracy.

## Impact

### **Leverage the Power of ISO 20022 with Pain001**

**Pain001** is committed to simplifying and streamlining the process of generating payment messages, enabling easy adoption of ISO 20022 and facilitating seamless integration with existing systems to achieve ISO 20022 compliance.

Pain001 can significantly mitigate processing costs and complexities by eliminating the need for manual data entry and file generation. It can also help to reduce the risk of errors, which can further reduce costs.

For organisations looking to simplify and automate their payment processing, **Pain001** serves as a practical and highly effective solution.

## Incentives

### **Shaping the Future of Payments Automation with Pain001**

Experience a transformative shift in your payment automation process with Pain001. This highly innovative tool significantly reduces processing costs, minimises errors, and simplifies transactions. The automation of payment file creation and validation is just the beginning of the possibilities that Pain001 offers.

Here's why you should consider **Pain001** for your payment automation needs:

- **Easy to use:** Pain001 is a user-friendly library, designed for both developers and non-developers. Its easy-to-use interface requires minimal coding knowledge, providing a seamless experience.
- **Open-Source Accessibility:** Open to everyone, Pain001 is an open-source library. Its free accessibility empowers businesses of all sizes to leverage its benefits.
- **Robust Security:** Pain001 is committed to protecting data confidentiality and offers a secure solution by not storing any sensitive data.
- **Customizability:** Pain001 offers developers the ability to customize the output, adapting it to specific business requirements and preferences, adding a personal touch to your automation process.
- **Scalable solution:** The Pain001 library can handle varying volumes of payment files, making it suitable for businesses of different sizes and transaction volumes.
- **Time-Efficiency:** Say goodbye to manual data entry. Pain001 automates file creation, saving valuable time and boosting overall productivity.
- **Seamless Integration:** Being a Python package, Pain001 effortlessly integrates into any Python-based applications and existing workflows, making the transition smoother.
- **Cross-border compatibility:** Pain001 is designed for versatility, offering support for both SEPA and non-SEPA credit transfers, making it perfect for businesses operating across different countries and regions.
- **Accuracy and Efficiency** By providing precise data, Pain001 minimizes errors in payment file creation and processing. This efficiency enhancement transforms your payment automation process.
- **Compliance with ISO 20022 Standards** Pain001 guarantees the highest quality by validating all payment files to meet ISO 20022 standards. Its standardized payment file format simplifies ISO 20022-compliant payment initiation message creation.
- **Cost Reduction** Pain001 cuts down costs by eliminating manual data entry and file generation, reducing payment processing time, and minimizing errors.

[Embrace the future of payment automation](#) with Pain001, a tool that reshapes the way you manage payments.

This article also available on [Medium](#)

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**That concludes our time together. Thank you for your time!**

If you have any questions, please don't hesitate to contact me via [LinkedIn](#) or via the [Contact page](#). Thank you again for your time and I look forward to hearing from you.

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